WORLD INTELLECTUAL PROPERTY ORGANIZATION International Bureau



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 6:

C07C 309/63, 309/29, 323/18, 311/08, 53/132, 69/612, 271/28, A61K 31/00

(11) International Publication Number:

WO 99/62871

(43) International Publication Date:

9 December 1999 (09.12.99)

(21) International Application Number:

PCT/SE99/00942

A1

(22) International Filing Date:

31 May 1999 (31.05.99)

(30) Priority Data:

9801990-4 4 June 1998 (04.06.98) SE 9801991-2 4 June 1998 (04.06.98) SE 9801992-0 4 June 1998 (04.06.98) SE

(71) Applicant (for all designated States except US): ASTRA AKTIEBOLAG [SE/SE]; S-151 85 Södentälje (SE).

(72) Inventors; and

- (75) Inventors/Applicants (for US only): ANDERSSON, Kjell [SE/SE]; Astra Hässle AB, S-431 83 Mölndal (SE). BOUE, Maria [SE/SE]; Astra Hässle AB, S-431 83 Mölndal (SE). GOTTFRIES, Johan [SE/SE]; Astra Hässle AB, S-431 83 Mölndal (SE). INGHARDT, Tord [SE/SE]; Astra Hässle AB, S-431 83 Mölndal (SE). LI, Lanna [CN/SE]; Astra Hässle AB, S-431 83 Mölndal (SE). LINDSTEDT ALSTERMARK, Eva-Lotte [SE/SE]; Astra Hässle AB, S-431 83 Mölndal (SE).
- (74) Agent: ASTRA AKTIEBOLAG; Intellectual Property, Patents, S-151 85 Södertälje (SE).

(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK,

ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, MIL, MR,

Published

With international search report.

NE, SN, TD, TG).

(54) Title: NEW 3-ARYL PROPIONIC ACID DERIVATIVES AND ANALOGS

$$D = \begin{bmatrix} CH_2 \\ D \end{bmatrix} = CH_2 - O$$

$$D^n = CH_2 - O$$

(57) Abstract

Novel 3-aryl proprionic acid derivatives and analogs, having general formula (I) and stereo- and optical isomers and racemates thereof as well as pharmaceutically acceptable salts, solvates and crystalline forms thereof, process for their manufacture, pharmaceutical preparations containing them and the use of the compounds in clinical conditions associated with insulin resistance.